

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1 - 7 (cancelled)

8. (currently amended) ~~The connector of Claim 7,~~ A connector for connecting a hose to a wall structure having a bore extending therethrough, the connector defining a flow path between the hose and a chamber defined by the wall structure, the connector comprising:

a housing having a first end with a transversely extending aperture, said housing adapted to be mounted in the bore formed through the wall structure such that said first end extends into the chamber;

a spring clip positioned within said transversely extending aperture and coupled to said first end of said housing, said spring clip adapted to prevent removal of said housing from the bore;

a retainer secured to a second end of said housing and defining a female receptacle in communication with the chamber, said retainer including a projection that is adapted to be retained in a second aperture formed in said housing to secure said retainer to said housing; and

a male connector having a first end secured to the hose and a second end adapted for retention in said female receptacle of said retainer, wherein said retainer includes a cylindrical retainer body segment adapted for retention in said second aperture formed in said housing, said retainer further including a wall segment

extending from said retainer body segment, and an arcuate spring arm extending from said wall segment.

9. (original) The connector of Claim 8, wherein a retention rim formed on said second end of said male connector is adapted to cause said spring arm to deflect radially outwardly upon insertion into said female receptacle until said retention rim is located in an annular space defined between said spring arm and said retainer body segment, and wherein once said retention rim is located in said annular space, said spring arm returns to its non-deflected position for retaining said rim in said annular space, thereby snap-locking said male connector to said retainer.

10-13 (cancelled)

14. (currently amended) ~~The method of claim 13 further including~~ A method for mounting a connector having a housing including a transversely extending aperture, a retainer and a spring clip to a wall structure with a mounting bore extending therethrough to define a flow path between a hose and an internal chamber defined by the wall structure, the method comprising the steps of:

inserting the connector into the mounting bore such that a first end of the housing is located within the internal chamber;

positioning the spring clip within the transversely extending aperture of the housing and coupling the spring clip to the housing;

biasedly engaging the spring clip with the mounting bore;

coupling a first end of a male connector to the hose;

inserting a second end of said male connector into a female receptacle of said retainer;

removably securing said male connector in said female receptacle;
positioning segments of the spring clip within the transversely extending
aperture formed in said first end of said housing;
deflecting said segments from a normally expanded position to a retracted
position when positioned within the mounting bore;
expanding said segments of said spring clip from said retracted position to
said expanded position when said first end of said housing is located with the internal
chamber; and

positioning a first cylindrical body segment of the housing within a smaller bore segment of the mounting bore and further positioning a second cylindrical body segment of the housing within a larger bore segment of the mounting bore, wherein said first body segment is smaller than said second body segment.

15. (original) The method of claim 14 further including engaging a radially extending portion of said second body segment with a shoulder of the mounting bore located at the intersection of said smaller and larger bore segments.

16. (original) The method of claim 15 further including mounting the retainer within a cavity formed in said second body segment of the housing to define said female receptacle.

17. (cancelled)

18. (currently amended) ~~The method of claim 10 including~~ A method for mounting a connector having a housing including a transversely extending aperture, a retainer and a spring clip to a wall structure with a mounting bore extending

therethrough to define a flow path between a hose and an internal chamber defined by the wall structure, the method comprising the steps of:

inserting the connector into the mounting bore such that a first end of the housing is located within the internal chamber;

positioning the spring clip within the transversely extending aperture of the housing and coupling the spring clip to the housing;

biasedly engaging the spring clip with the mounting bore;

coupling a first end of a male connector to the hose;

inserting a second end of said male connector into a female receptacle of said retainer;

removably securing said male connector in said female receptacle; and

coupling the retainer to the housing in a snap-fit connection.

19-24 (cancelled)

25. (currently amended) ~~The connector of Claim 24,~~ A connector for connecting a hose to a wall structure to define a flow path between the hose and an interior chamber defined by the wall structure, comprising:

a housing having a central flow passage and first and second ends, said housing is adapted to be mounted in a bore formed through the wall structure such that its first end extends into the interior chamber and said first end includes a transversely extending aperture;

a spring clip positioned within said transversely extending aperture and coupled to said housing, said spring clip having segments adapted to engage the bore to prevent removal of said housing from the bore; and

a male connector having a first end secured to the hose and a second end adapted for retention in a female receptacle associated with said second end of said housing, the bore being formed in the wall structure between an exterior surface and an interior surface which communicates with the interior chamber, the bore being stepped to define a larger section in communication with the exterior surface and a smaller section in communication with the interior surface, said first end of said housing including a first body segment adapted for retention in the smaller section of the stepped bore and said second end of said housing includes a second body segment adapted for retention in the larger section of the stepped bore, and wherein said second body segment of said housing defines a cavity within which a retainer is secured, said retainer defining said female receptacle.

26. (previously presented) The connector of Claim 25, wherein said retainer includes a projection that is adapted to be retained in a second aperture formed in said second body segment of said housing to secure said retainer to said housing.

27. (original) The connector of Claim 25, wherein said retainer includes a cylindrical retainer body segment adapted for retention in said cavity formed in said second body segment of said housing, a wall segment extending from said retainer body segment, and an arcuate spring arm extending from said wall segment.

28. (original) The connector of Claim 27, wherein a rim formed in said second end of said male connector is adapted to cause said spring arm to radially outwardly deflect upon insertion into said female receptacle until said rim is located in an annular space between said spring arm and said retainer body segment, and wherein said spring arm is thereafter released and returns to its non-deflected position for retaining

said rim in said annular space, thereby snap-locking said male connector to said retainer.

29. (previously presented) A connector for connecting a hose to a wall structure having a bore extending therethrough, the connector defining a flow path between the hose and a chamber defined by the wall structure, the connector comprising:

a housing having a first end, said housing adapted to be mounted in the bore formed through the wall structure such that said first end extends into the chamber;

a spring clip coupled to said first end of said housing, said spring clip adapted to prevent removal of said housing from the bore;

a retainer secured to a second end of said housing and defining a female receptacle in communication with the chamber, wherein said retainer includes a cylindrical retainer body segment adapted for retention in an aperture formed in said housing, said retainer further including a wall segment extending from said retainer body segment, and an arcuate spring arm extending from said wall segment; and

a male connector having a first end secured to the hose and a second end adapted for retention in said female receptacle of said retainer.

30. (previously presented) The connector of Claim 29, wherein a retention rim formed on said second end of said male connector is adapted to cause said spring arm to deflect radially outwardly upon insertion into said female receptacle until said retention rim is located in an annular space defined between said spring arm and said retainer body segment, and wherein once said retention rim is located in said annular

space, said spring arm returns to its non-deflected position for retaining said rim in said annular space, thereby snap-locking said male connector to said retainer.

31. (previously presented) A method for mounting a connector to a wall structure with a mounting bore having a smaller bore segment and a larger bore segment extending therethrough to define a flow path between a hose and an internal chamber, said internal chamber defined by the wall structure, said connector having a housing, a retainer and a spring clip, said housing having a first cylindrical body segment and a second cylindrical body segment, wherein said first cylindrical body segment is smaller than said second cylindrical body segment, the method comprising the steps of:

inserting the connector into the mounting bore such that a first end of the housing is located within the internal chamber, wherein the first cylindrical body segment of the housing is positioned within the smaller bore segment of the mounting bore and the second cylindrical body segment of the housing is positioned within the larger bore segment of the mounting bore;

biasedly engaging the spring clip with the mounting bore;

coupling a first end of a male connector to the hose;

inserting a second end of said male connector into a female receptacle of said retainer; and

removably securing said male connector in said female receptacle.

32. (previously presented) The method of claim 31 further including engaging a radially extending portion of said second body segment with a shoulder of the mounting bore located at the intersection of said smaller and larger bore segments.

33. (previously presented) The method of claim 31 including coupling the retainer to the housing in a snap-fit connection.

34. (previously presented) A connector for connecting a hose to a wall structure to define a flow path between the hose and an interior chamber defined by the wall structure, comprising:

a housing adapted to be mounted in a bore formed in the wall structure between an exterior surface and an interior surface which communicates with the interior chamber, wherein the bore is stepped to define a larger section in communication with the exterior surface and a smaller section in communication with the interior surface, the housing including a central flow passage, a first end including a first body segment adapted for retention in the smaller section of the stepped bore, and a second end including a second body segment adapted for retention in the larger section of the stepped bore, wherein said second body segment of said housing defines a cavity within which a retainer is secured, said retainer defining a female receptacle;

a spring clip coupled to said housing, said spring clip having segments adapted to engage the bore to prevent removal of said housing from the bore; and

a male connector having a first end secured to the hose and a second end adapted for retention in said female receptacle associated with said second end of said housing.

35. (previously presented) The connector of Claim 34, wherein said retainer includes a projection that is adapted to be retained in an aperture formed in said second body segment of said housing to secure said retainer to said housing.

36. (previously presented) The connector of claim 34, wherein said retainer includes a cylindrical retainer body segment adapted for retention in said cavity formed in said second body segment of said housing, a wall segment extending from said retainer body segment, and an arcuate spring arm extending from said wall segment.

37. (previously presented) The connector of claim 36, wherein a rim formed in said second end of said male connector is adapted to cause said spring arm to radially outwardly deflect upon insertion into said female receptacle until said rim is located in an annular space between said spring arm and said retainer body segment, and wherein said spring arm is thereafter released and returns to its non-deflected position for retaining said rim in said annular space, thereby snap-locking said male connector to said retainer.

38. (previously presented) A method for mounting a connector having a housing, a retainer and a spring clip to a wall structure with a mounting bore extending therethrough to define a flow path between a hose and an internal chamber defined by the wall structure, the method comprising the steps of:

coupling the spring clip to the housing to define a subassembly;

inserting the subassembly into the mounting bore such that a first end of the housing is located within the internal chamber;

biasedly engaging the spring clip with the mounting bore;

coupling a first end of a male connector to the hose;

inserting a second end of said male connector into a female receptacle of said retainer; and

removably securing said male connector in said female receptacle.

39. (previously presented) The method of claim 38 wherein the step of defining said subassembly includes coupling said retainer to said housing prior to inserting said subassembly into the mounting bore.

40. (previously presented) The method of claim 39 further including engaging a locking tab of said retainer with said housing to prevent unintended axial separation of said retainer from said housing.

41. (previously presented) A connector for connecting a hose to a wall structure having a bore extending therethrough, the connector defining a flow path between the hose and a chamber defined by the wall structure, the connector comprising:

- a housing having a first end, said housing adapted to be mounted in the bore formed through the wall structure such that said first end extends into the chamber;

- a spring clip coupled to said first end of said housing, said spring clip adapted to prevent removal of said housing from the bore;

- a retainer secured within a bore of a second end of said housing and defining a female receptacle in communication with the chamber; and

- a male connector having a first end secured to the hose and a second end adapted for retention in said female receptacle of said retainer.

42. (previously presented) The connector of claim 41 wherein said spring clip includes a radially extending segment adapted to engage the wall structure.

43. (previously presented) The connector of claim 42 wherein said housing includes an aperture, said segment being at least partially positioned within said aperture.

44. (previously presented) The connector of claim 41 wherein said retainer is snap-fit coupled to said housing.